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**PATENT** 

I hereby certify that on July 11, 2002, which is the date I am significant certificate, I am depositing this correspondence and all identified attachments with the U.S. Postal Service, first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

Patty Rasmussen

Applicant: Eun Jeong PARK, et al.

Serial No.: 10/088,202 Filed: March 15, 2002

Title: NOVEL DETOXIFIED MUTANTS OF ESCHERICHIA COLI HEAT-LABILE

ENTEROTOXIN

Examiner: Unassigned Art Unit: Unassigned

Attorney Docket No.: 58049-00003

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED

Commissioner for Patents Washington, D.C. 20231

SEP 1 6 2002

**Technology Center 2100** 

## INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed below and on the attached Form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against information. Copies of the cited documents are enclosed.

## **English Language Documents:**

- 1. TOMMASO, et al.: *Infection and Immunity*, Vol. 64, No. 3, pp. 974-979, March 1996; "Induction of Antigen-Specific Antibodies in Vaginal Secretions by Using a Nontoxic Mutant of Heat-Labile Enterotoxin as a Mucosal Adjuvant."
- 2. MARCHETTI, et al.: *Vaccine*, Vol. 16, No. 1, pp. 33-37, 1998; "Protection against *HelicobacterPylori* Infection in Mice by Intragastric Vaccination with *H. Pylori* Antigens is Achieved Using a Non-Toxic Mutant of *E. Coli* Heat-Labile Enterotoxin (LT) as Adjuvant."
- 3. VERWEIJ, et al.: Vaccine, Vol. 16, No. 20, pp. 2069-2076, 1998; "Musosal Immunoadjuvant Activity of Recombinant Escherichia Coli Heat-Labile Enterotoxin and its B Subunit: Induction of Systemic IgG and Secretory IgA Responses in Mice by Intranasal Immunization with Influenza Virus Surface Antigen."

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It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks, and that the references be made of record as cited references in the application.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1853 during the pendency of prosecution of this application. Should such additional fees be associated with an extension of time, applicant respectfully requests that this paper be considered a petition therefor. A duplicate of this paper is enclosed for the Deposit Account, should it be needed.

Respectfully submitted,

Joseph H. Kim, Ph.D.

Reg. No. 41,425

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FORM PTO-1449 (Modified)					Docket No.: 58049-03   Serial No.: 10/088,202				,202		
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	AI	TOMMASO, et al.: <i>Infection and Immunity,</i> Vol. 64, No. 3, pp. 974-979, March 1996; "Induction of Antigen-Specific Antibodies in Vaginal Secretions by Using a Nontoxic Mutant of Heat-Labile Enterotoxin as a Mucosal Adjuvant."									
	AJ	MARCHETTI, et al.: <i>Vaccine</i> , Vol. 16, No. 1, pp. 33-37, 1998; "Protection against <i>Helicobacter pylori</i> Infection in Mice by Intragastric Vaccination with <i>H. Pylori</i> Antigens is Achieved Using a Non-Toxic Mutant of <i>E. Coli</i> Heat-Labile Enterotoxin (LT) as Adjuvant."									
	AK	VERWEIJ, et al.: <i>Vaccine</i> , Vol. 16, No. 20, pp. 2069-2076, 1998; "Musosal Immunoadjuvant Activity of Recombinant <i>Escherichia Coli</i> Heat-Labile Enterotoxin and its B Subunit: Induction of Systemic IgG and Secretory IgA Responses in Mice by Intranasal Immunization with Influenza Virus Surface Antigen."									
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	AI	TOMMASO, et al.: <i>Infection and Immunity</i> , Vol. 64, No. 3, pp. 974-979, March 1996; "Induction of Antigen-Specific Antibodies in Vaginal Secretions by Using a Nontoxic Mutant of Heat-Labile Enterotoxin as a Mucosal Adjuvant."									
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